

Cee-Section load table for single span - safe working imposed load (kg/m²) - deflection limited to Span/360

Typical uses: flooring with ceiling finishes

Support condition 1 - Top of steel with no Cleats

Allowance for dead load and self weight = 0.40kN/m²

Support condition 2 - Top Notch with Folded Web and 2 Bolts

Centres of Cee-Sections = 600mm

Support condition 3 - Cleats and 2 Bolts

Section	Span (m)	3.0	3.5	4.0	4.5	5.0	5.5	6.0
		Defi L/360	Defi L/360	Defi L/360	Defi L/360	Defi L/360	Defi L/360	Defi L/360
14014	1	182	151	101	59	32	14	1
	2	295	171	101	59	32	14	1
	3	295	171	101	59	32	14	1
14016	1	264	199	120	72	41	21	7
	2	340	199	120	72	41	21	7
	3	340	199	120	72	41	21	7
14018	1	356	227	139	85	51	28	12
	2	385	227	139	85	51	28	12
	3	385	227	139	85	51	28	12
14020	1	428	255	157	98	61	35	18
	2	428	255	157	98	61	35	18
	3	428	255	157	98	61	35	18
17015	1	214	178	152	126	81	50	29
	2	521	313	196	126	81	50	29
	3	521	313	196	126	81	50	29
17016	1	255	214	183	136	88	56	34
	2	557	335	211	136	88	56	34
	3	557	335	211	136	88	56	34
17018	1	347	292	241	157	103	68	43
	2	627	380	241	157	103	68	43
	3	627	380	241	157	103	68	43
17020	1	449	380	270	178	118	79	51
	2	696	423	270	178	118	79	51
	3	696	423	270	178	118	79	51
17025	1	755	530	342	228	155	106	72
	2	865	530	342	228	155	106	72
	3	865	530	342	228	155	106	72
20016	1	247	207	177	153	134	115	79
	2	916	562	363	243	166	115	79
	3	916	562	363	243	166	115	79
20018	1	337	284	244	213	188	133	93
	2	1030	633	411	276	190	133	93
	3	1030	633	411	276	190	133	93
20020	1	439	371	320	281	215	151	107
	2	1142	704	458	310	215	151	107
	3	1142	704	458	310	215	151	107
20025	1	741	630	547	391	274	196	141
	2	1417	877	574	391	274	196	141
	3	1417	877	574	391	274	196	141
24018	1	325	274	235	205	181	161	145
	2	1305	1025	686	469	331	239	174
	3	1371	1025	686	469	331	239	174
24020	1	425	359	310	271	241	216	195
	2	1527	1158	762	523	370	268	197
	3	1527	1158	762	523	370	268	197
24025	1	723	615	534	470	420	341	253
	2	1918	1440	951	656	467	341	253
	3	1918	1440	951	656	467	341	253
24030	1	1092	931	810	716	561	411	307
	2	2309	1713	1134	784	561	411	307
	3	2309	1713	1134	784	561	411	307
30025	1	697	592	514	453	404	364	331
	2	1918	1639	1430	1267	973	721	546
	3	1918	1639	1430	1267	973	721	546
30030	1	1060	903	786	695	622	562	512
	2	2309	1974	1723	1527	1163	864	656
	3	2309	1974	1723	1527	1163	864	656

Notes on Safe Load Tables

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Cee-Section load table for single span - safe working imposed load (kg/m²) - deflection limited to Span/200
Typical uses: flooring without ceiling finishes

Support condition 1 - Top of steel with no Cleats
Support condition 2 - Top Notch with Folded Web and 2 Bolts
Support condition 3 - Cleats and 2 Bolts

Allowance for dead load and self weight = 0.40kN/m²
Centres of Cee-Sections = 600mm

Section	Span (m)	3.0	3.5	4.0	4.5	5.0	5.5	6.0
		Defi L/200	Defi L/200	Defi L/200	Defi L/200	Defi L/200	Defi L/200	Defi L/200
14014	1	182	151	128	110	90	57	35
	2	475	339	214	138	90	57	35
	3	475	339	214	138	90	57	35
14016	1	264	221	189	162	107	70	45
	2	579	391	248	162	107	70	45
	3	579	391	248	162	107	70	45
14018	1	356	300	258	186	125	84	55
	2	680	441	282	186	125	84	55
	3	680	441	282	186	125	84	55
14020	1	460	389	316	209	142	96	65
	2	777	491	316	209	142	96	65
	3	777	491	316	209	142	96	65
17015	1	214	178	152	131	114	101	86
	2	661	476	356	259	178	123	86
	3	661	476	356	259	178	123	86
17016	1	255	214	183	158	139	123	94
	2	726	524	393	278	192	134	94
	3	726	524	393	278	192	134	94
17018	1	347	292	251	219	194	154	109
	2	854	618	465	315	219	154	109
	3	854	618	465	315	219	154	109
17020	1	449	380	328	288	246	174	125
	2	979	710	519	352	246	174	125
	3	979	710	519	352	246	174	125
17025	1	755	642	557	443	312	224	163
	2	1285	934	647	443	312	224	163
	3	1285	934	647	443	312	224	163
20016	1	247	207	177	153	134	119	106
	2	932	675	509	394	313	239	175
	3	932	675	509	394	313	239	175
20018	1	337	284	244	213	188	168	151
	2	1109	805	608	473	375	272	200
	3	1109	805	608	473	375	272	200
20020	1	439	371	320	281	249	223	202
	2	1283	933	706	550	419	305	225
	3	1283	933	706	550	419	305	225
20025	1	741	630	547	482	430	385	287
	2	1704	1242	943	737	526	385	287
	3	1704	1242	943	737	526	385	287
24018	1	325	274	235	205	181	161	145
	2	1305	1025	776	606	484	394	325
	3	1371	1025	776	606	484	394	325
24020	1	425	359	310	271	241	216	195
	2	1527	1194	906	709	567	462	383
	3	1527	1194	906	709	567	462	383
24025	1	723	615	534	470	420	378	344
	2	1918	1608	1223	959	770	630	488
	3	1918	1608	1223	959	770	630	488
24030	1	1092	931	810	716	641	579	528
	2	2309	1974	1533	1204	968	773	586
	3	2309	1974	1533	1204	968	773	586
30025	1	697	592	514	453	404	364	331
	2	1918	1639	1430	1267	1137	940	784
	3	1918	1639	1430	1267	1137	940	784
30030	1	1060	903	786	695	622	562	512
	2	2309	1974	1723	1527	1371	1207	1109
	3	2309	1974	1723	1527	1371	1207	1109

Notes on Safe Load Tables
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Cee-Section load table for double span - safe working imposed load (kg/m²) - deflection limited to Span/360
Typical uses: flooring with ceiling finishes

Support condition 1 - Top of steel with no Cleats
Support condition 2 - Top of steel with Cleats

Allowance for dead load and self weight = 0.40kN/m²
Centres of Cee-Sections = 600mm

Section	Span (m)	3.0	3.5	4.0	4.5	5.0	5.5	6.0
	Support condition	Defi L/360	Defi L/360	Defi L/360	Defi L/360	Defi L/360	Defi L/360	Defi L/360
14014	1	213	178	151	103	64	38	20
	2	408	265	164	103	64	38	20
14016	1	306	257	191	122	78	49	28
	2	510	306	191	122	78	49	28
14018	1	411	346	219	141	92	59	36
	2	574	346	219	141	92	59	36
14020	1	530	386	245	160	106	69	44
	2	637	386	245	160	106	69	44
17015	1	249	209	249	154	135	91	61
	2	434	367	302	200	135	91	61
17016	1	297	249	286	186	146	99	67
	2	534	453	324	215	146	99	67
17018	1	401	338	365	245	168	116	80
	2	776	567	366	245	168	116	80
17020	1	518	439	409	275	189	132	92
	2	979	630	409	275	189	132	92
17025	1	866	738	512	347	242	172	123
	2	1269	784	512	347	242	172	123
20016	1	287	241	277	180	158	141	126
	2	463	392	338	297	258	184	132
20018	1	390	329	355	248	220	197	153
	2	674	573	497	418	293	210	153
20020	1	506	429	442	325	289	237	173
	2	938	799	680	466	328	237	173
20025	1	851	725	695	556	414	301	223
	2	1527	1242	848	583	414	301	223
24018	1	376	317	342	239	211	189	170
	2	572	485	420	370	329	296	268
24020	1	490	415	428	315	280	251	227
	2	798	679	590	520	465	406	303
24025	1	831	707	677	542	484	437	384
	2	1527	1304	1137	959	693	511	384
24030	1	1252	1068	970	823	737	612	462
	2	1840	1572	1371	1152	829	612	462
30025	1	801	681	650	522	466	420	382
	2	1301	1110	967	856	767	694	633
30030	1	1215	1036	939	798	715	646	590
	2	1840	1572	1371	1215	1090	987	902

Notes on Safe Load Tables
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Manufacturers of Cladding Products for the Construction industry

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Cee-Section load table for double span - safe working imposed load (kg/m²) - deflection limited to Span/200
Typical uses: flooring without ceiling finishes

Support condition 1 - Top of steel with no Cleats
Support condition 2 - Top of steel with Cleats

Allowance for dead load and self weight = 0.40kN/m²
Centres of Cee-Sections = 600mm

Section	Span (m)	3.0	3.5	4.0	4.5	5.0	5.5	6.0
		Defi L/200	Defi L/200	Defi L/200	Defi L/200	Defi L/200	Defi L/200	Defi L/200
14014	1	213	178	151	130	114	100	68
	2	408	339	252	191	148	101	68
14016	1	306	257	295	192	169	120	83
	2	579	416	310	237	173	120	83
14018	1	411	348	367	262	198	139	98
	2	680	490	367	282	198	139	98
14020	1	530	449	421	321	223	157	112
	2	777	561	421	321	223	157	112
17015	1	249	209	249	154	135	120	107
	2	434	367	316	274	215	172	138
17016	1	297	249	286	186	164	146	130
	2	534	453	392	303	239	191	154
17018	1	401	338	365	255	226	202	176
	2	776	618	465	360	285	229	176
17020	1	518	439	453	333	296	266	199
	2	979	710	535	415	330	266	199
17025	1	866	738	707	551	440	342	254
	2	1285	934	707	551	440	342	254
20016	1	287	241	277	180	158	141	126
	2	463	392	338	297	264	236	206
20018	1	390	329	355	248	220	197	177
	2	674	573	497	438	376	305	251
20020	1	506	429	442	325	289	260	235
	2	938	799	695	550	439	357	294
20025	1	851	725	695	556	496	448	399
	2	1527	1242	943	737	591	482	399
24018	1	376	317	342	239	211	189	170
	2	572	485	420	370	329	296	268
24020	1	490	415	428	315	280	251	227
	2	798	679	590	520	465	419	381
24025	1	831	707	677	542	484	437	398
	2	1527	1304	1137	959	770	630	524
24030	1	1252	1068	970	823	737	667	608
	2	1840	1572	1371	1204	968	794	662
30025	1	801	681	650	522	466	420	382
	2	1301	1110	967	856	767	694	633
30030	1	1215	1036	939	798	715	646	590
	2	1840	1572	1371	1215	1090	987	902

Notes on Safe Load Tables

1. Allowance for Dead load of 38mm flooring grade particle board and Self weight of Cee-Sections has been included.
2. Load tables have been derived in accordance with: BS 5950-5:1998 'Code of practice for design of cold formed thin gauge sections'
3. All fixing bolts must be M12 grade 8.8 complete with washer under head and nut.
4. Load tables are only valid when fixed in accordance with manufacturers recommendations.
5. Adequate torsional restraint is provided by 38mm minimum thickness flooring grade particle board fixed to the top flange of the Cee-Sections using the appropriate self-drilling, self tapping screws at a spacing of not greater than 1000mm along the span.
6. Tie bars must be provided at mid-span positions.

